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EUROPEAN PATENT OFFICE

Patent Abstracts of Japan

PUBLICATION NUMBER : 58207679
PUBLICATION DATE : 03-12-83

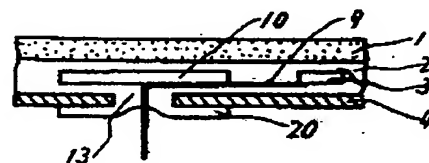
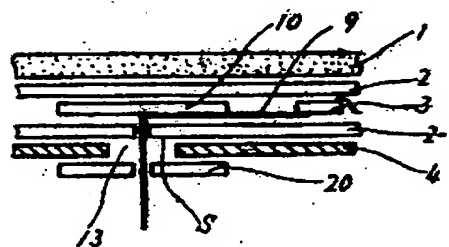
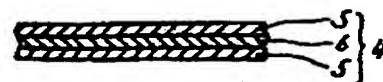
APPLICATION DATE : 28-05-82
APPLICATION NUMBER : 57089895

APPLICANT : TOSHIBA CORP;

INVENTOR : WASHIDA HIROSHI;

INT.CL. : H01L 31/04

TITLE : PREPARATION OF SOLAR BATTERY
PANEL



ABSTRACT: PURPOSE: To improve pressure resistant characteristic by previously covering the periphery of through hole with an insulating sealing material before fuse-bonding a filler and by fuse-bonding the sealing material together with the filler.

CONSTITUTION: Reinforced glass used as the transparent cover glass 1, PVB sheets used as the fillers 2 and 2-1, a solar battery cell 3 consisting of silicon crystals connected in series and the sheet having the PVF in both sides sandwiching the intermediate aluminum foil 6 used as the rear surface material 4 are respectively set. A slit is provided at the PVB 2-1 where the lead wire passes and thereby the rear surface material 4 is opened largely. An insulating sealing material 20 is provided under the rear surface material 4. Next, such element is set to a rubber pack coupled to a vacuum pump and is then put into an autoclave. Here, pressure is increased during exhaustion to vacuum condition. A super straight structure is formed under a temperature and pressure in the autoclave. This method effectively improves drastically the pressure resistant characteristic of solar battery structure.

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